		Exploring the Ex	treme				
		2005 Mathema					
Content Standards							
Hawaii Mathematics							
Grade 1							
Activity/Lesson	State	Standards					
,			Identify measurement tools that could be				
Finding the Center of			used to measure length, capacity, and				
Gravity Using Rulers		MA.1.MA.1.4.4	weight				
		Exploring the Ex	freme				
2005 Mathematics							
		Content Standa					
Hawaii Mathematics	<u> </u>						
Grade 3							
Activity/Lesson	State	Standards					
/ touvity/ 2000011	- Clairo	Otanida do					
Finding the Center of			Select appropriate tools for measuring				
Gravity Using Rulers	Н	MA.3.MA.3.4.5	length, capacity, and weight				
Finding the Center of			is a garage of the control of the co				
Gravity Using Plumb			Select appropriate tools for measuring				
Lines	н	MA.3.MA.3.4.5	length, capacity, and weight				
Changing the Center			is a garage of the control of the co				
of Gravity Using			Select appropriate tools for measuring				
Moment Arms	н	MA.3.MA.3.4.5					
Changing the Center			0 1 1 31				
of Gravity Using		MA.3.MA.3.11.	Pose questions, collect data using surveys,				
Moment Arms	HI	1	and organize the data into tables and graphs				
		Exploring the Ex					
		2005 Mathema					
Content Standards							
Hawaii Mathematics	; T						
Grade 4	01-1-	01					
Activity/Lesson	State	Standards	Calant and annih anniminta avataman and				
			Select and apply appropriate customary and				
Finding the Carter of			metric units and tools to measure length,				
Finding the Center of			perimeter, and area for the degree of				
Gravity Using Rulers	П	MA.4.MA.4.4.2	accuracy needed				
Finding the Contor of		MA.4.MA.4.11.	Pose questions, collect data using				
Finding the Center of Gravity Using Rulers			observations and experiments, and organize				
Gravity Using Rulers		1	the data into tables or graphs				
Finding the Center of		MA.4.MA.4.13.	Propose and justify conclusions/predictions				
Gravity Using Rulers		1	based on data				
Cravity Coming Nuiters	1 11	1	Select and apply appropriate customary and				
Finding the Center of			metric units and tools to measure length,				
Gravity Using Plumb			perimeter, and area for the degree of				
Lines	ні	MA.4.MA.4.4.2					
LIIIO	' ' '	IVI/1.7.IVI/1.7.7.2	accuracy ficcucu				

Finding the Center of							
Gravity Using Plumb		MA.4.MA.4.13.	Propose and justify conclusions/predictions				
Lines	Н	1	based on data				
			Select and apply appropriate customary and				
Changing the Center			metric units and tools to measure length,				
of Gravity Using			perimeter, and area for the degree of				
Moment Arms	HI	MA.4.MA.4.4.2	accuracy needed				
Changing the Center			Pose questions, collect data using				
of Gravity Using		MA.4.MA.4.11.	observations and experiments, and organize				
Moment Arms	HI	1	the data into tables or graphs				
Changing the Center			0 1				
of Gravity Using		MA.4.MA.4.13.	Propose and justify conclusions/predictions				
Moment Arms	HI	1	based on data				
Exploring the Extreme							
		2005 Mathema					
		Content Standa	ards				
Hawaii Mathematics	<b>S</b>						
Grade 5							
Activity/Lesson	State	Standards					
l <b>.</b>		MA.5.MA.5.11.					
Jet Propulsion	HI	1	Collect and display data in circle graphs				
			Calcut and annly annuantiate aveternany and				
Ma atanin n		NAA 5 NAA 5 4 O	Select and apply appropriate customary and				
Vectoring	HI	IVIA.5.IVIA.5.4.2	metric units and tools to measure angles				
Vectoring	НІ	MA.5.MA.5.4.4	Estimate and measure the size of an angle				
			Decision attudies to further investigate the				
\/a ata vin a	HI						
Vectoring	П	1	conclusion/predictions made based on data Use equivalent forms of whole numbers,				
Contar of Cravity			•				
Center of Gravity, Pitch, Yaw	HI	MAEMAE12	fractions, ratios, decimals, and percents to solve problems				
Pilch, Yaw	П	IVIA.3.IVIA.3.1.2	solve problems				
		Exploring the Ex	treme				
		2005 Mathema					
		Content Standa					
Hawaii Mathematics	•	Content Stand					
Grade 6	•						
Activity/Lesson	State	Standards					
,	Julio	J.a.iaaia5	Construct angles with a given degree				
Vectoring	н	MA.6.MA.6.4.2					
		MA.6.MA.6.10.	Interpret and solve problem situations				
Vectoring	н	1	involving two different variables				
			Use estimation prior to computing with				
Center of Gravity,			fractions and decimals and compare the				
Pitch, Yaw	н	MA.6.MA.6.3.1	estimation to the actual result				
·							
	•	Exploring the Ex	treme				
2005 Mathematics							
		Content Standa	ards				
Hawaii Mathematics	<u> </u>						
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Grade 7			
Activity/Lesson	State	Standards	
			Design a study, collect data, and select the
			appropriate representation (line graph, bar
		MA.7.MA.7.11.	
Jet Propulsion	HI	1	plot, box and whisker plot) to display the data
			Formulate new questions that arise from
		MA.7.MA.7.13.	previous conclusions or conjectures and plan
Jet Propulsion	HI	1	a new study to answer them
Center of Gravity,			Solve problems using fractions, decimals,
Pitch, Yaw	HI	MA.7.MA.7.1.1	and percents
			Design a study, collect data, and select the
			appropriate representation (line graph, bar
		MA.7.MA.7.11.	graph, circle graph, histogram, stem and leaf
Fuel Efficiency	HI	1	plot, box and whisker plot) to display the data
		Exploring the Ex	
		2005 Mathema	
		Content Stand	ards
Hawaii Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
			Judge the validity of data based on the data
Jet Propulsion	HI	2	collection method
			Judge the validity of data based on the data
Vectoring	HI	2	collection method